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APPLICATION NO	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,738	10/630,738 07/31/2003		Mi Sook Nam	8733.444.10-US	1411
30827	7590	04/12/2005	EXAMINER		
		& ALDRIDGE LI	HON, SOW FUN		
1900 K STR WASHING			ART UNIT	PAPER NUMBER	
	•			1772	

DATE MAILED: 04/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)			
		10/630,73	8	NAM, MI SOOK			
	Office Action Summary	Examiner		Art Unit			
		Sow-Fun		1772			
Period fo	The MAILING DATE of this communica r Reply	ation appears on the	cover sheet with the c	orrespondence ad	ldress		
THE I - Exter after - If the - If NO - Failu	ORTENED STATUTORY PERIOD FOI MAILING DATE OF THIS COMMUNIC, isions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commun period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum statute to reply within the set or extended period for reply will eply received by the Office later than three months after ad patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no ever ication. 1ays, a reply within the statuory period will apply and will by statute. cause the apply.	ent, however, may a reply be time story minimum of thirty (30) days I expire SIX (6) MONTHS from ication to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).	ly. ommunication.		
Status							
1)	Responsive to communication(s) filed	on					
2a) <u></u> ☐)⊠ This action is n					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5)□ 6)⊠ 7)□	Claim(s) 1,2 and 33 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1,2,33 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.						
Applicati	on Papers						
10)⊠	The specification is objected to by the large three transfers on the specific on the specific of the specific	/are: a)⊠ accepte on to the drawing(s) be ne correction is require	e held in abeyance. See ed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 C			
11)	The oath or declaration is objected to b	by the Examiner. No	te the attached Office	Action or form P	ГО-152.		
Priority (ınder 35 U.S.C. § 119						
a)(Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do as Copies of the certified copies of the priority do application from the International See the attached detailed Office action	ocuments have bee ocuments have bee the priority docume al Bureau (PCT Rul	n received. n received in Applicati ents have been receive e 17.2(a)).	on No ed in this National	Stage		
2) Notice 3) Information	et(s) the of References Cited (PTO-892) the of Draftsperson's Patent Drawing Review (PTO- mation Disclosure Statement(s) (PTO-1449 or Pier No(s)/Mail Date 10/01,12/01.		4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:	ate	O-152)		

DETAILED ACTION

Election/Restrictions

Independent claims 1, 33 are generic to Markush groups consisting of a plurality of disclosed patentably distinct species listed below. Applicant is required under 35
 U.S.C. 121 to elect a single disclosed group of species, even though this requirement is traversed.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. During a telephone conversation with Kurt Eaton on March 11, 2005, a provisional election was made with traverse to prosecute the invention of Group V. Affirmation of this election must be made by applicant in replying to this Office action. Groups I-IV, VI-X are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention. The Markush groups of species are listed below.

Group	Structures	 	
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Double Patenting

3. The parent application 09/893,977 was subject to a restriction whereby the photo-alignment material in claims 1, 2 were non-elected, cancelled and now filed in the present divisional application. The method claims 18-32, which were also non-elected, cancelled, and filed in divisional application 10/630,781. 09/893,977 issued as US 6,627,269 on September 30, 2003 and 10/630,781 issued as US 6,797,096 on September 28, 2004. The present application was filed on July 31st, 2003 before the issue dates of the two patents. Therefore US 6,627,269 and US 6,797,096 do not constitute prior art.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-2, 33 are rejected under 35 U.S.C. 102(b) as being anticipated by Yanagisawa et al. (US 5,239,398).

Yanagisawa teaches an alignment material (film) (col. 11, lines 20-25) with the chemical formula (4) below:

which when drawn out as two repeat units, corresponds to a polymer formed from a monomer containing the group in chemical formula 2 of Applicant below:

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The polymer of Yanagisawa meets the polymer of Applicant when a = n/2 > 0, and b = c = 0 in chemical formula 1 of Applicant.

Yanagisawa fails to disclose that the alignment material is a photo-alignment one, or that the ethene group in the polymer main chain is photo-reactive. However, the chemical structure of the ethene group is the same, and being photo-reactive, qualifies the alignment material as a photo-alignment one. Products of identical chemical composition cannot have mutually exclusive properties. A chemical composition and its properties are inseparable. Therefore, if the prior art teaches the identical chemical structure, the properties applicant discloses and/or claims are necessarily present. See MPEP 2112.01 [R-2].

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number (571)272-1492. The examiner can normally be reached Monday to Friday from 10:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon, can be reached on (571)272-1498. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Sow-Fun Hon

HAROLD PYON

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